

ABSTRACT

An electric machine designed as a starter, generator, or starter-generator for a motor vehicle and presenting a housing, wherein said housing comprises a winding with coils or coil groups including connector heads. It comprises power electronics units with power switch components distributed along the perimeter of the housing, as well as conductor rails connected with power electronics units, and coil exit rails going from a power electronics unit to an associated coil or coil group. Said power electronics units are arranged on the face of the housing in a clearance created by the connector heads, which are located radially outside or inside the connector heads. Said power switch components comprise a contact area and are arranged directly – without inserted electric insulation – on one of the power loops or a coil exit rail.
